

#### Abstract of the Disclosure

A perpendicular magnetic recording disk is provided. The perpendicular magnetic recording disk includes an underlayer between a substrate and a perpendicular magnetic recording layer for inducing perpendicular orientation of the perpendicular magnetic recording layer, the perpendicular magnetic recording layer having a thickness in the range where the ratio of perpendicular coercivity  $H_c$  to maximum perpendicular coercivity  $H_o$  decreases with reduced thickness of the perpendicular magnetic recording layer.